ROTEL RX-800

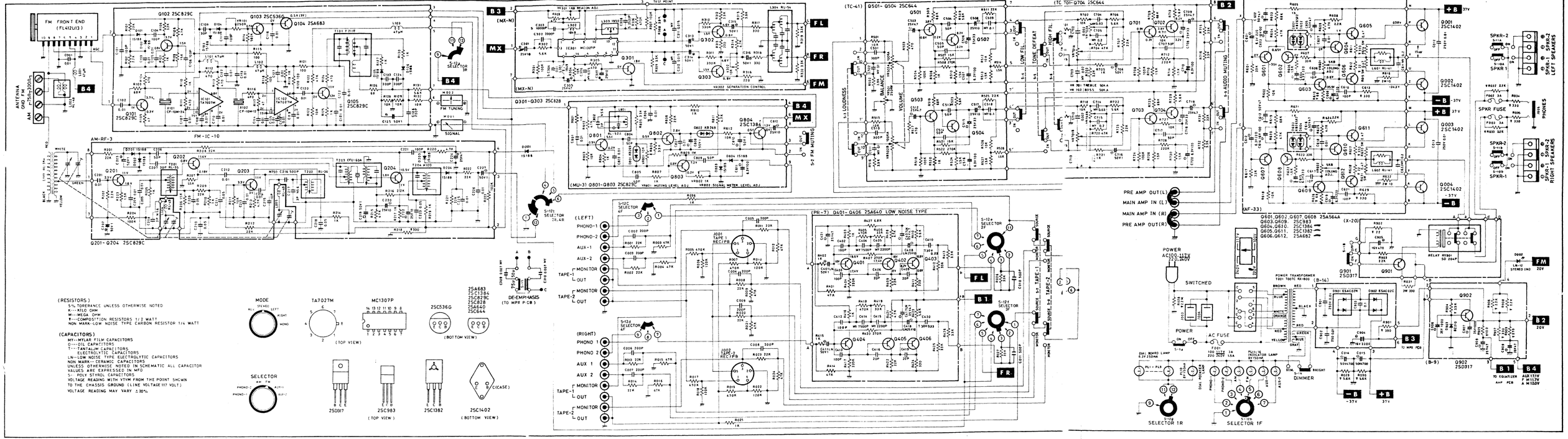
MODEL

SERVICE MANUAL

SCHEMATIC CIRCUIT DIAGRAM

RX-800

AM/FM STEREO RECEIVER

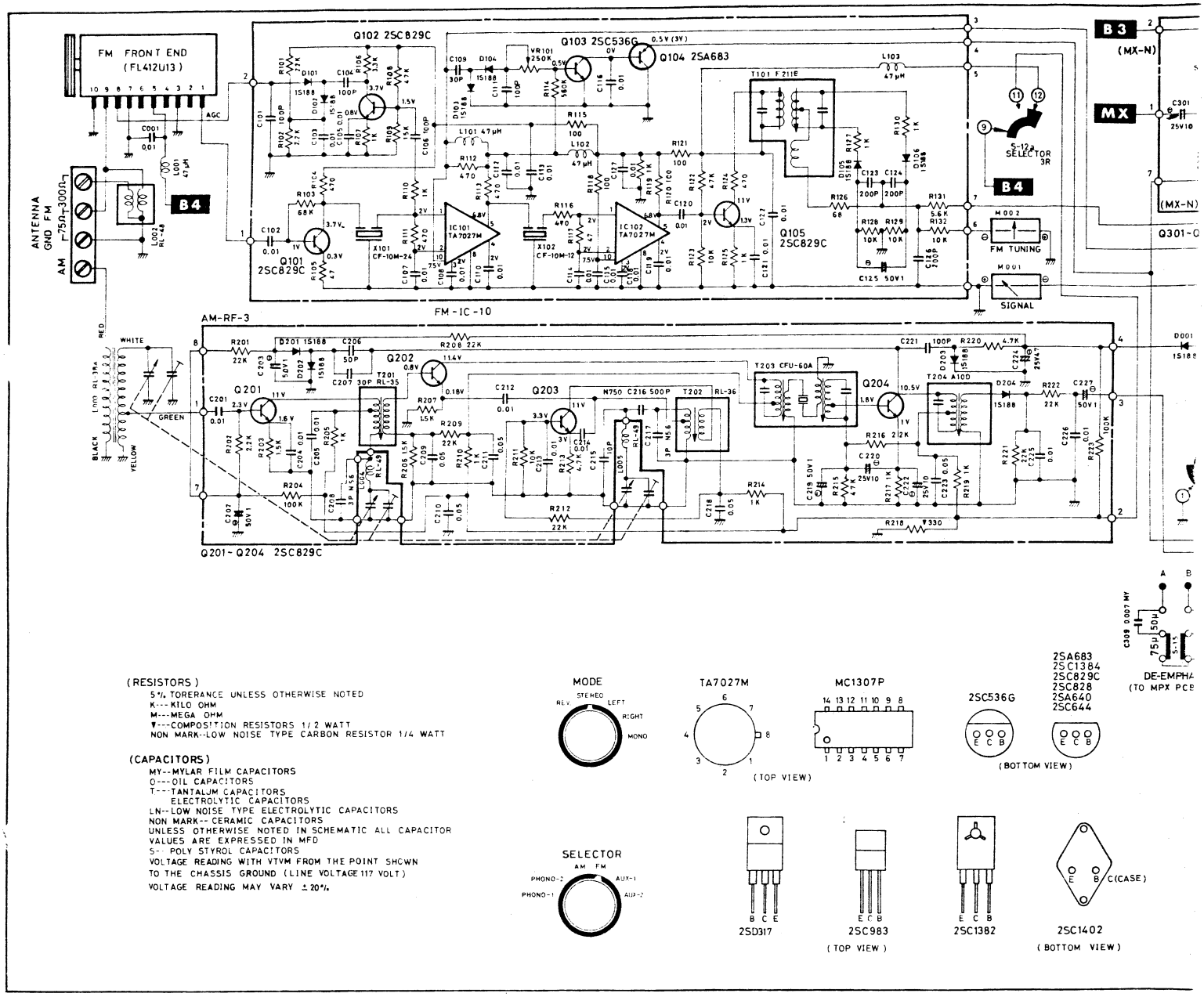


ROTEL

SCHEMATIC CIRCUIT DIAGRAM

RX-800

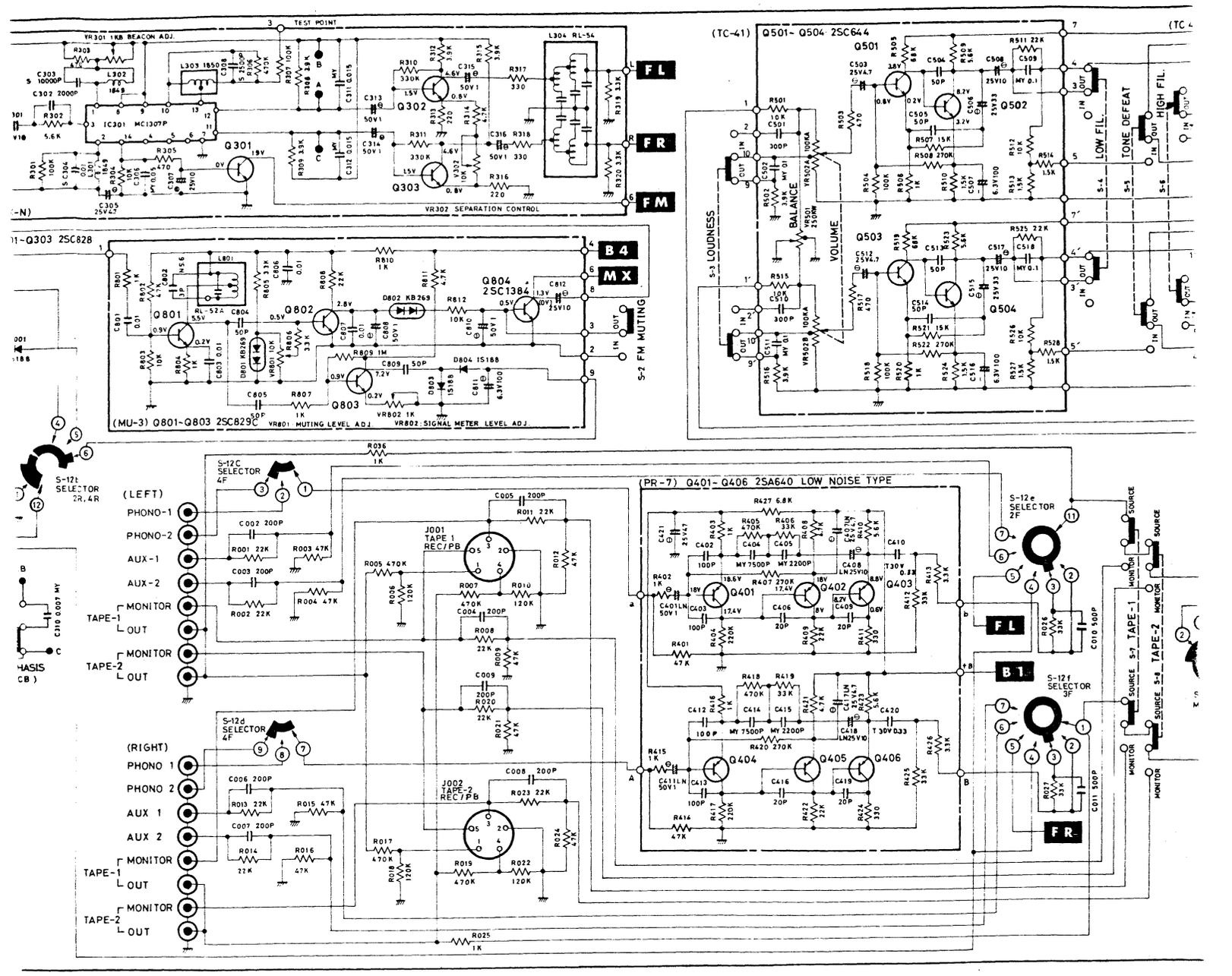
AM/FM STEREO RECEIVER

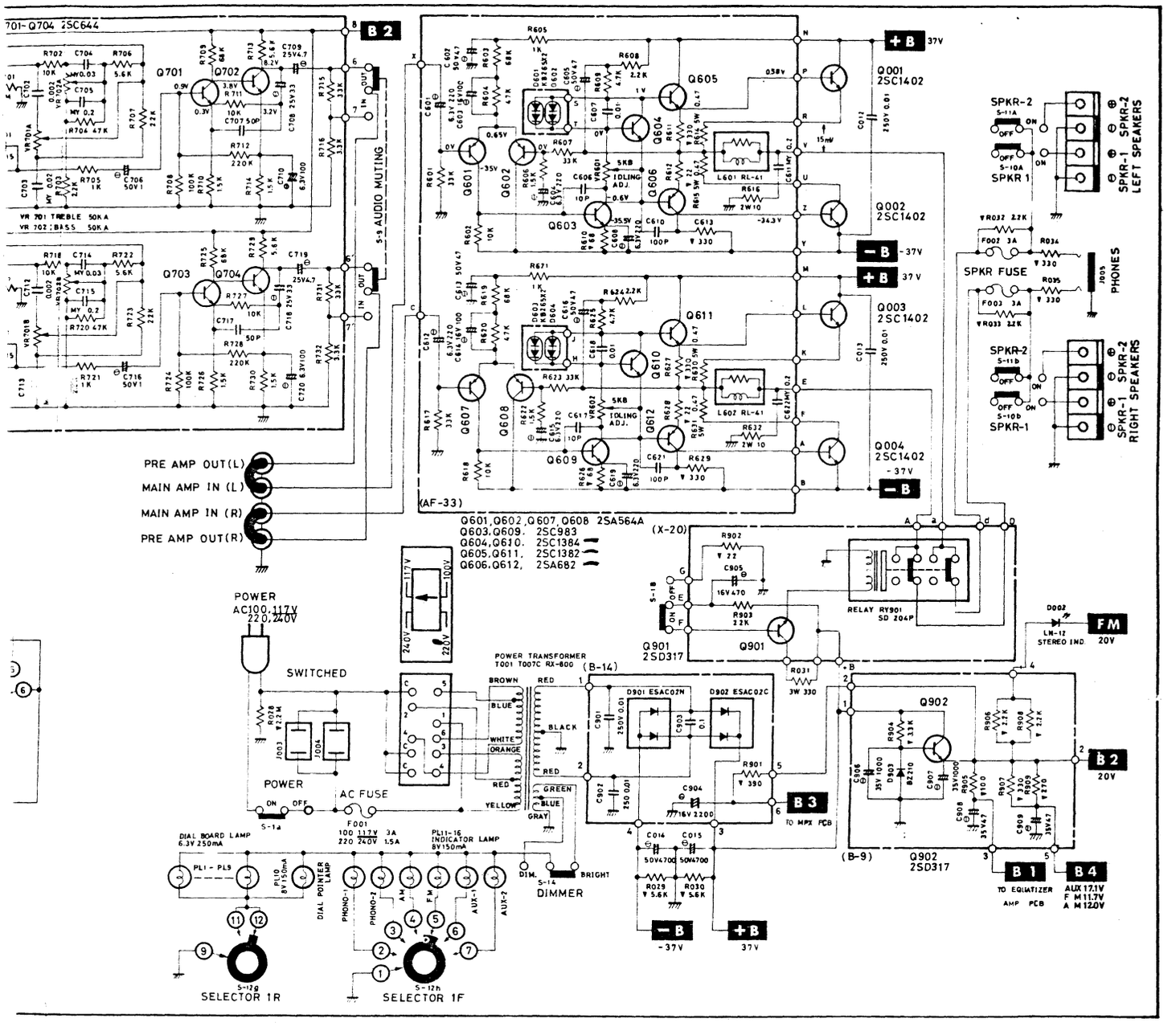


(RESISTORS)
5% TORERANCE UNLESS OTHERWISE NOTED
K---KILO OHM
M---MEGA OHM
▼---COMPOSITION RESISTORS 1/2 WATT
NON MARK--LOW NOISE TYPE CARBON RESISTOR 1/4 WATT

(CAPACITORS)
MY--MYLAR FILM CAPACITORS
O---OIL CAPACITORS
T---TANTALUM CAPACITORS
ELECTROLYTIC CAPACITORS
LN--LOW NOISE TYPE ELECTROLYTIC CAPACITORS
NON MARK--CERAMIC CAPACITORS
UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITOR VALUES ARE EXPRESSED IN MFD
S-- POLY STYROL CAPACITORS
VOLTAGE READING WITH VTVM FROM THE POINT SHOWN TO THE CHASSIS GROUND (LINE VOLTAGE 117 VOLT)
VOLTAGE READING MAY VARY ±20%

ROTEL®


VR301 1KB BEACON ADJ.
TEST POINT
IC301 MC1307P
Q301
Q302
Q303
L304 RL-54
FL
FR
FM
VR302 SEPARATION CONTROL
(TC-41) Q501~Q504 2SC644
Q501
Q502
Q503
Q504
LOW FIL.
TONE DEFEAT
HIGH FIL.
BALANCE
VOLUME
S-3 LOUDNESS
(MU-3) Q801~Q803 2SC829C
Q801
Q802
Q803
Q804 2SC1384
B4
MX
S-2 FM MUTING
VR801 MUTING LEVEL ADJ.
VR802 SIGNAL METER LEVEL ADJ.
S-12b SELECTOR 2R, 4R
S-12c SELECTOR 4F
S-12d SELECTOR 4F
S-12e SELECTOR 2F
S-12f SELECTOR 3F
(LEFT)
PHONO-1
PHONO-2
AUX-1
AUX-2
MONITOR
TAPE-1
OUT
MONITOR
TAPE-2
OUT
(RIGHT)
PHONO 1
PHONO 2
AUX 1
AUX 2
MONITOR
TAPE-1
OUT
MONITOR
TAPE-2
OUT
J001 TAPE 1 REC/PB
J002 TAPE-2 REC/PB
(PR-7) Q401~Q406 2SA640 LOW NOISE TYPE
Q401
Q402
Q403
Q404
Q405
Q406
FL
FR
B1
SOURCE
MONITOR
TAPE-1
TAPE-2


Q701-Q704 2SC644
B 2
Q701
Q702
Q703
Q704
VR 701 TREBLE 50K A
VR 702 BASS 50K A
5-9 AUDIO MUTING
PRE AMP OUT(L)
MAIN AMP IN (L)
MAIN AMP IN (R)
PRE AMP OUT(R)
(AF-33)
Q601,Q602,Q607,Q608 2SA564A
Q603,Q609, 2SC983
Q604,Q610, 2SC1384
Q605,Q611, 2SC1382
Q606,Q612, 2SA682
Q605
Q606
Q603
Q610
Q611
Q609
+B 37V
Q001 2SC1402
Q002 2SC1402
-B -37V
+B 37 V
Q003 2SC1402
Q004 2SC1402
- 37 V
-B
SPKR-2
SPKR-1 SPKR-2 LEFT SPEAKERS
SPKR FUSE
PHONES
SPKR-2
SPKR-1 SPKR-2 RIGHT SPEAKERS
SPKR-1
(X-20)
RELAY RY901 SD 204P
Q901 2SD317
Q901
FM
20V
STEREO IND.
POWER
AC100,117V
220,240V
SWITCHED
POWER TRANSFORMER
T001 T007C RX-800
(B-14)
BROWN
BLUE
WHITE
ORANGE
RED
BLACK
RED
GREEN
BLUE
GRAY
YELLOW
D901 ESAC07N
D902 ESAC02C
AC FUSE
F001
100 117V 3A
220 240V 1.5A
DIAL BOARD LAMP
6.3V 250mA
PL1 - PL9
PL10
8V 150mA
DIAL POINTER LAMP
PL11-16
INDICATOR LAMP
8V 150mA
DIM.
BRIGHT
DIMMER
S-14
SELECTOR 1R
SELECTOR 1F
S-12g
S-12h
PHONO-1
PHONO-2
AM
FM
AUX-1
AUX-2
B 3
TO MPX PCB
Q902
2SD317
(B-9)
B 1
TO EQUALIZER AMP PCB
B 4
AUX 17.1V
F M 11.7V
A M 12.0V
-B -37V
+B 37V